

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-21. (canceled)

22. (currently amended) The electric machine of claim 24-27

wherein said rotor includes a body portion which extends along a rotational axis of said rotor and two end faces which axially oppose one another, and said cylinder extends along said rotational axis of said rotor so that said cylinder surrounds said body portion of said rotor and extends axially beyond both of said end faces.

23. (currently amended) The electric machine of claim 24-27,

wherein said cylinder extends axially beyond said end turn portions of said rotor winding.

24. (canceled)

25. (currently amended) The electric machine of claim 24-27

~~wherein said plurality of holes are further comprising a plurality of ventilation holes and defined in the cylinder and wherein said rotor includes a plurality of slots formed~~

therein for receiving said winding, said plurality of ventilation holes being respectively positioned with respect to ventilation through-holes in said winding to form a plurality of ventilation passages.

26. (currently amended) The electric machine of claim 24-27

further comprising a fan arranged at an axial end of said cylinder.

27. (currently amended) An electric machine comprising:

a rotor;

a rotor winding disposed on said rotor, said rotor winding having a body portion and end turn portions; and

a non-metallic cylinder arranged around said rotor to restrain both said body portion and said end turn portions of said winding against forces resulting from a rotation of said rotor;

wherein no portion of an inner circumference of the cylinder is smaller than an outer circumference of the rotor;

the cylinder has a plurality of holes defined therethrough; and

The electric machine of claim 24 wherein said plurality of holes are a plurality of balance plug holes and said rotor includes at least one opening formed therein, one of said plurality of balance plug holes being aligned with said opening to allow a

balance plug to be engaged into said opening through said one of the plurality of balance plug holes.

28. (currently amended) The electric machine of claim 24-27

wherein said rotor includes a groove on its outer periphery and said cylinder includes a protrusion on its inner periphery which engages said groove of said rotor.

29-37. (canceled)

38. (currently amended) The electric machine of claim 37-45

wherein said cylinder is made of a graphite epoxy composite.

39. (previously presented) The electric machine of claim 38 wherein said cylinder is a single integral cylinder.

40. (currently amended) The electric machine of claim 37-45

wherein said rotor includes a body portion which extends along a rotational axis of said rotor and two end faces which axially oppose one another, and said cylinder extends along said rotational axis of said rotor so that said cylinder surrounds said body portion of said rotor and extends axially beyond both of said end faces.

41. (currently amended) The electric machine of claim 3745,
wherein said cylinder extends axially beyond said end turn portions of said rotor
winding.

42. (canceled)

43. (currently amended) The electric machine of claim 42-45
~~wherein said plurality of holes are further comprising~~ a plurality of ventilation holes
defined in the cylinder and wherein said rotor includes a plurality of slots formed
therein for receiving said winding, said plurality of ventilation holes being
respectively positioned with respect to ventilation holes in said winding to form a
plurality of ventilation passages.

44. (previously presented) The electric machine of claim 43 further
comprising a fan arranged at an axial end of said cylinder.

45. (currently amended) An electric machine comprising:
a rotor;
a rotor winding disposed on said rotor, said rotor winding having a body
portion and end turn portions; and

a non-metallic cylinder arranged around said rotor to restrain both said body portion and said end turn portions of said winding against forces resulting from a rotation of said rotor;

wherein the cylinder has a plurality of holes defined therethrough; and

~~The electric machine of claim 42 wherein said plurality of holes are a plurality of balance plug holes and said rotor includes at least one opening formed therein, one of said plurality of balance plug holes being aligned with said opening to allow a balance plug to be engaged into said opening through said one of the plurality of balance plug holes.~~

46. (currently amended)

The electric machine of claim ~~37-45~~

wherein said rotor includes a groove on its outer periphery and said cylinder includes a protrusion on its inner periphery which engages said groove of said rotor.

47-56. (canceled)